Approved For Release 2002/10/30 : CIA-RDP81B00879R001000020010-2

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OXC - 0333

25 February 1960

		52 Legitività 1300
MENORANDUM FOR THROUGH SUBJECT	: Deputy Director (Plans) : Acting Chief, DFD : CKCART Status as of 24 February 1960	DECLIMENT EQ. 10 25X1 NO ENGLISH TO CLOSE X 25X1 CLASS. CHARLES TO: TO S 20/2 E. AT LEVEL BUILDS AUTH BUILDS DATE: 5 106 8 2 mayre were.
from origi support.	is biggest problem now unresolved. ME he	t twice size and weight;
preference	have been asked to get price quote from	despite their 25X1 ve preliminary estimates
This FIOA AFCS and produce per month than adap "adapting these exc for camer flight te	is lower in price than expected by IAC. the development charges have been reduce ction of 12 units is estimated at just unduring initial field tests. LAC insists tive for the reason that the adaptive sys ". They have not indicated that the amplurations have been calculated to see if the atability requirements. Although Mi has at there is much more experience in lines.	d. Price for development der 25X1 on linear system rather tem is constantly itudes and periods of ey are in fact too large we an adaptive system in r systems. The linear
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system requires estimates of aircraft stability derivatives to allow initial design of the system. These estimates are verified later by wind tunnel tests and still later in flight tests. If initial estimates add/or w/t data are in serious error with flight test results costly and untimely redesign is necessary.

In this design this is a danger since the supersonic sercelestic problems are compounded by the thermoelastic severity. However, MR claim they can produce successfully on time.

3. <u>J-58 engine</u>:

Magine development is technically healthy but afflicted with a few administrative baccilli. The fuel additive experiments are estimated to cost about through next July, when the system should be definable.

P & W had planned on a system with many redundant control over many variables.

believes a flow control sensitive to gas temp. is the only control needed. F & W are reviewing LAC estimates of AB optimization points and hope to produce a fractional percentage better afc. Fuel developments indicate we can count on 19,000 - 19,100 BTU/lb.

P & W have a few other fractional percentages better performance in the sleeve as insurance not yet disclosed to LAC.

The extent of activity at W. Palm Beach is causing speculation and drawing attention. The J-58 cover application is wearing thin with declining AP interest in B-58C.

4. Camera:

PS have reduced their estimate to EK propose 21"
FL and PE 18" but they have been urged to try for an increase.

25X1

Jim Baker is reluctant to comment comparatively but EK have discussed their proposal with Din Land and he may be less reticent. This decision seems to reduce to the desirability of carrying EK further as a fall back in the unhappy event the PE become plagued with "C" camera type difficulties.

5. A-12 spec:

Latest performance estimates agree with data given by LAC 21/22 Jan. Our estimates differ in detail (e.g. amount of fuel used in climb) but not in overall altitude distance profile without taking account of reduced gravitational attraction at altitude and centrifugal lift. The thinnest point is fuel reserve at second refuelling. There is no margin for a mistake here.

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6. BOB query:

Mr. Macy questioned our right to proceed without further White House review. Mr. Dulles' letter to BOB, being circulated for coordination, assures Mr. Macy that no further review at that level was needed.

7. Convair close-out:

To what extent if any should any Convair people be knowledgeable?

SIGNED EXCEME P. KIEFER

Distribution:

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Attachments:

Three sketches

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